

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	Unknown 10/789203
Filing Date	Even Date Herewith
First Named Inventor	Forbes, Leonard
Group Art Unit	Unknown 2815
Examiner Name	Unknown Ecker

Sheet 1 of 11

Attorney Docket No: 303.356US4

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date if Appropriate
926	US-3,792,465	02/12/1974	Collins, D. R., et al.	340	324 R	12/30/1971
	US-4,113,515	09/12/1978	Kooi, E., et al.	148	1.5	03/29/1976
	US-4,118,795	10/03/1978	Frye, R. C., et al.	365	222	08/27/1976
	US-4,384,349	05/17/1983	McElroy, D J.	365	185.02	06/02/1980
	US-4,460,670	07/01/1984	Ogawa, , et al.	430	57	11/19/1982
	US-4,462,150	07/31/1984	Nishimura, H., et al.	29	576 B	09/16/1982
	US-4,473,836	09/25/1984	Chamberlain, S. G.	357	30	05/03/1982
	US-4,507,673	03/26/1985	Aoyama, Masaharu , et al.	357	23 R	09/21/1983
	US-4,598,305	07/01/1986	Chiang, A., et al.	357	23.7	06/18/1984
	US-4,657,699	04/01/1987	Nair,	252	513	12/17/1984
	US-4,736,317	04/05/1988	Hu, M., et al.	364	200	07/17/1985
	US-4,738,729	04/01/1988	Yoshida, , et al.	136	258	01/27/1987
	US-4,768,072	08/30/1988	Seki, Y., et al.	357	29	10/02/1986
	US-4,769,686	09/06/1988	Horiuchi, Masatuda , et al.	357	23.8	06/19/1987
	US-4,816,883	03/28/1989	Baldi, Livio	357	23.5	06/22/1987
	US-4,841,349	06/20/1989	Nakano, M.	357	30	10/28/1987
	US-4,849,797	07/18/1989	Ukai, Yasuhiro , et al.	357	237	01/20/1988
	US-4,893,273	01/09/1990	Usami,	365	185	03/21/1986
	US-4,897,710	01/30/1990	Suzuki, A., et al.	357	71	08/18/1997
	US-4,980,303	12/25/1990	Yamauchi, T.	437	31	08/18/1988
	US-4,994,401	02/19/1991	Ukai, Y.	437	40	03/26/1990
	US-5,049,950	09/17/1991	Fujii, Yoshihisa , et al.	357	2	08/09/1990
	US-5,111,430	05/05/1992	Morie,	365	185	06/21/1990
	US-5,145,741	09/01/1992	Quick,	428	402	02/28/1991
	US-5,189,504	02/23/1993	Nakayama, S., et al.	257	422	01/30/1992
	US-5,235,195	08/10/1993	Tran, N. T., et al.	257	59	10/19/1992
	US-5,260,593	11/09/1993	Lee, R. R.	257	316	12/10/1991
	US-5,293,560	03/08/1994	Harari, E.	365	185	11/03/1992
	US-5,298,796	03/29/1994	Tawel, Raoul	307	201	07/08/1992
	US-5,317,535	05/31/1994	Talreja, Sanjay S., et al.	365	185	06/19/1992
	US-5,336,361	08/09/1994	Tamura, A., et al.	438	767	11/02/1992
	US-5,360,491	11/01/1994	Carey, P G., et al.	136	256	04/07/1993
	US-5,367,306	11/22/1994	Hollon, , et al.	342	386	06/04/1993
	US-5,369,040	11/29/1994	Halvis, J., et al.	437	3	04/12/1993
	US-5,371,383	12/06/1994	Miyata, K., et al.	257	77	05/14/1993
JK	US-5,388,069	02/07/1995	Kokubo, Masaya	365	185	03/18/1993

EXAMINER

Ecker

DATE CONSIDERED

12/105

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known	
Application Number	Unknown 10 789203
Filing Date	Even Date Herewith
First Named Inventor	Forbes, Leonard
Group Art Unit	Unknown 2B15
Examiner Name	Unknown ECKERT

Sheet 2 of 11

Attorney Docket No: 303.356US4

924	US-5,393,999	02/28/1995	Malhi, S.	257	289	06/09/1994
	US-5,407,845	04/18/1995	Nasu, Y., et al.	437	40	10/13/1993
	US-5,409,501	04/25/1995	Zauns-Huber, R., et al.	8	94.29	07/06/1992
	US-5,415,126	05/16/1995	Loboda, , et al.	117	88	08/16/1993
	US-5,424,993	06/13/1995	Lee, Roger R., et al.	365	218	11/15/1993
	US-5,425,860	06/20/1995	Truher, J. B., et al.	204	192.23	04/07/1993
	US-5,438,544	08/01/1995	Makino, Takami	365	185	01/28/1994
	US-5,441,901	08/15/1995	Candelaria, J.	437	31	06/10/1994
	US-5,449,941	09/12/1995	Yamazaki, Shumpei , et al.	257	411	10/27/1992
	US-5,455,432	10/03/1995	Hartsell, M. L., et al.	257	77	10/11/1994
	US-5,465,249	11/07/1995	Cooper Jr., James A., et al.	365	149	11/26/1991
	US-5,467,306	11/14/1995	Kaya, Cetin , et al.	365	185.2	10/04/1993
	US-5,477,485	12/19/1995	Bergemont, , et al.	365	185.24	02/22/1995
	US-5,493,140	02/20/1996	Iguchi, Katsuji	257	316	06/21/1994
	US-5,508,543	04/16/1996	Hartstein, Allan M., et al.	257	314	04/29/1994
	US-5,530,581	06/25/1996	Cogan, S. F.	359	265	05/31/1995
	US-5,557,114	09/17/1996	Leas, J. M., et al.	257	59	01/12/1995
	US-5,557,122	09/17/1996	Shrivastava, R., et al.	257	309	05/12/1995
	US-5,562,769	10/08/1996	Dreifus, , et al.	117	86	02/22/1995
	US-5,580,380	12/03/1996	Liu, , et al.	117	86	01/30/1995
	US-5,604,357	02/18/1997	Hori, Takashi	257	24	07/11/1995
	US-5,623,160	04/22/1997	Liberkowsky, J. B.	257	621	09/14/1995
	US-5,623,442	04/22/1997	Gotou, Hiroshi , et al.	365	185.08	06/08/1994
	US-5,629,222	05/13/1997	Yamazaki, Shumpei , et al.	438	259	04/28/1995
	US-5,654,208	08/05/1997	Harris, C. , et al.	438	522	05/08/1995
	US-5,661,312	08/26/1997	Weitzel, C. E., et al.	257	77	03/30/1995
	US-5,670,790	09/23/1997	Katoh, , et al.	257	14	09/19/1996
	US-5,672,889	09/30/1997	Brown,	257	77	
	US-5,698,869	12/16/1997	Yoshimi, M , et al.	257	192	09/13/1995
	US-5,714,766	02/03/1998	Chen, , et al.	257	20	09/29/1995
	US-5,719,410	02/17/1998	Suehiro, S. , et al.	257	77	12/16/1996
	US-5,734,181	03/31/1998	Ohba, R. , et al.	257	77	05/20/2002
	US-5,740,104	04/14/1998	Forbes, Leonard	365	185.03	01/29/1997
	US-5,754,477	05/19/1998	Forbes, Leonard	365	185.33	01/29/1997
	US-5,786,250	07/28/1998	Wu, Zhiqiang , et al.	438	254	03/14/1997
	US-5,789,276	08/04/1998	Leas, J. M., et al.	438	59	12/08/1995
924	US-5,798,548	08/25/1998	Fujiwara, H.	257	319	05/17/1996

EXAMINER

[Signature]

DATE CONSIDERED

1/31/05

Substitute Disclosure Statement Form (PTO-1449)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known	
Application Number	Unknown 10 789203
Filing Date	Even Date Herewith
First Named Inventor	Forbes, Leonard
Group Art Unit	Unknown 2815
Examiner Name	Unknown ECKERT

Sheet 3 of 11

Attorney Docket No: 303.356US4

<i>JM</i>	US-5,801,401	09/01/1998	Forbes, Leonard	257	77	01/29/1997
	US-5,808,336	09/15/1998	Miyawaki, M.	257	315	05/05/1995
	US-5,828,101	10/27/1998	Endo, K.	257	330	03/25/1996
	US-5,846,859	12/08/1998	Lee, Sang-in	438	253	02/23/1996
	US-5,858,811	01/12/1999	Tohyama, S.	438	75	01/15/1997
	US-5,861,346	01/19/1999	Hamza, A., et al.	438	869	07/27/1995
	US-5,877,041	03/02/1999	Fuller, R. T.	438	105	06/30/1997
	US-5,886,368	03/23/1999	Forbes, Leonard, et al.	257	77	07/29/1997
	US-5,886,376	03/23/1999	Acovic, A., et al.	257	316	07/01/1996
	US-5,886,379	03/23/1999	Jeong, H.	257	319	01/27/1997
	US-5,898,197	04/27/1999	Fujiwara, Hideaki	257	317	06/03/1997
	US-5,907,775	05/25/1999	Tseng, H.	438	261	04/11/1997
	US-5,912,837	06/15/1999	Lakhani,	365	185.02	10/28/1996
	US-5,926,740	07/20/1999	Forbes, Leonard, et al.	438	763	10/27/1997
	US-5,976,926	11/02/1999	Wu, J. Z., et al.	438	237	10/10/1997
	US-5,989,958	11/23/1999	Forbes, Leonard	438	257	08/20/1998
	US-6,031,263	02/29/2000	Forbes, et al.			
	US-6,018,166	01/25/2000	Lin, K., et al.	257	22	07/30/1998
	US-6,034,001	03/07/2000	Shor, J. S., et al.	438	931	02/17/1994
	US-6,075,259	06/13/2000	Baliga, B. J.	257	77	07/13/1999
	US-6,084,248	07/04/2000	Inoue, S.	257	66	02/03/1998
	US-6,093,937	07/25/2000	Yamazaki, S., et al.	257	59	02/19/1997
	US-6,099,574	08/08/2000	Fukuda, S., et al.	703	14	12/16/1997
	US-6,100,193	08/08/2000	Suehiro, S., et al.	438	685	09/24/1997
	US-6,130,147	10/10/2000	Major, J.S., et al.	438	604	03/18/1997
	US-6,144,581	11/07/2000	Diorio, C. J., et al.	365	185.03	11/30/1998
	US-6,163,066	12/19/2000	Forbes, L., et al.	257	632	08/24/1998
	US-6,166,401	12/26/2000	Forbes, L.	257	77	08/20/1998
	US-6,271,566	08/07/2001	Tsuchiaki, M.	257	347	11/16/1999
	US-6,297,521	10/02/2001	Forbes, L., et al.	257	76	08/14/1998
	US-6,307,775	10/23/2001	Forbes, Leonard, et al.	365	185.01	08/27/1998
	US-6,309,907	10/30/2001	Forbes, Leonard, et al.	438	108	08/21/1998
<i>JM</i>	US-6,365,919	04/02/2002	Tihanyi, J., et al.	257	77	07/11/2000

EXAMINER

JH Ecker

DATE CONSIDERED

1/31/05

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) : Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	Unknown 101789203
Filing Date	Even Date Herewith
First Named Inventor	Forbes, Leonard
Group Art Unit	Unknown 2B15
Examiner Name	Unknown ECKERT

Sheet 4 of 11

Attorney Docket No: 303.356US4

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
9/29	EP-0291951	08/04/1993	Takashi, I.	H01L	29/64	
	EP-0681333	11/08/1995	Tischler, M. A., et al.	H01L	29/788	
	JP-01-115162	05/08/1989	Hirao, T., et al.	H01L	29/78	
	JP-03-222367	10/01/1991	Oyama, Yashushi	H01L	29/784	
	JP-04-056769	02/24/1992	Futaki, T., et al.	C23C	16/32	
	JP-06-224431	08/12/1994	Nakada, Yukihiro, et al.	H01L	29/784	
	JP-06-302828	10/28/1994	Ickikawa, Yohei, et al.	H01L	29/788	
	JP-07-115191	05/02/1995	Karuyankumaaru, D.	H01L	29/78	
	JP-07-226507	08/22/1995	Nakaishi,	H01L	29/78	
	JP-08-255878	10/01/1996	Sugita, Y	H01L	27/10	
	JP-08-255878-TR	10/01/1996	Sugita, Y., et al.	H01L	27/10	
	JP-2203564	08/13/1990	Fujii, Y., et al.	H01L	29/46	
	JP-57-126175	08/05/1982	Hamakawa, Y., et al.	H01L	31/04	
	JP-60-024678	02/07/1985	Akio, Nakatani	G06K	9/36	
	JP-60-184681	09/20/1985	Yamashita,	C23C	16/30	
	JP-60-242678	12/02/1985	Takeshita,	H01L	29/73	
	JP-62-122275	06/03/1987	Yamamoto, H., et al.	H01L	27/78	
	JP-63-181473	07/26/1988	Ukai, Y.	H01L	29/78	
	JP-63-219172	09/12/1988	Aoki, S., et al.	H01L	29/78	
9/29	JP-63-289960	11/28/1988	Ito, T.	H01L	29/64	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
9/29		AKASAKI, I., "Effects of AlN Buffer Layer on Crystallographic Structure and on Electrical and Optical Properties of GaN and Ga(1-x)Al(x)N [0 < x (< or =) 0.4] Films Grown on Sapphire Substrate by MOVPE", <u>Journal of Crystal Growth</u> , 98, (1989), 209-219	
9/29		ALOK, D., et al., "Electrical Properties of Thermal Oxide Grown on N-type 6H-Silicon Carbide", <u>Applied Physics Letters</u> , 64, (May 23, 1994), 2845-2846	
9/29		ANDRIEUX, M., et al., "Interface and Adhesion of PACVD SiC Based Films on Metals", <u>Supp. "Le Vide: science, technique et applications</u> , 279, (1996), 212-214	

EXAMINER

JK Eckert

DATE CONSIDERED 1/21/05

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	Unknown 10/789203
Filing Date	Even Date Herewith
First Named Inventor	Forbes, Leonard
Group Art Unit	Unknown 285
Examiner Name	Unknown Eckert

Sheet 5 of 11

Attorney Docket No: 303.356US4

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
JH		BACHMANN, P., et al., "Influence on Surface Modifications on the Electronic Properties of CVD Diamond Films", <u>Diamond and Related Materials</u> , 5, (1996),1378-1383	
		BAGLEE, D., "Characteristics & Reliability of 100 Angstrom Oxides", <u>IEEE 22nd Annual Proc.: Reliability Physics</u> , Las Vegas, (April 3-5, 1984), 152-155	
		BEHEIM, G., et al., "Magnetron Plasma Etching of SiC for Microstructures", <u>Proc: SPIE - Integrated Optics and Microstructures III</u> , San Jose, CA, (Jan 29, 1996), 82-86	
		BELTRAM, F., et al., "GaAlAs/GaAs Floating-Gate Memory Devices with Graded-Gap Injector Grown by Molecular-Beam Epitaxy", <u>IEEE Transactions on Electron Devices</u> , 35, Abstract No. VA-7, (Dec. 1988), 2451	
		BELTRAM, F., et al., "Memory phenomena in heterojunction structures: Evidence for suppressed thermionic emission", <u>Appl. Phys. Lett.</u> , 53(5), (1988), pp. 376-378	
		BENGTSOON, S., et al., "Applications of Aluminum Nitride Films Deposited by Reactive Sputtering to Silicon-On-Insulator Materials", <u>Japanese J. Applied Physics</u> , 35, (1996), 4175-4181	
		BENJAMIN, M., "UV Photoemission Study of Heteroepitaxial AlGaAs Films Grown on 6H-SiC", <u>Applied Surface Science</u> , 104/105, (September 1996), 455-460	
		BERMUDEZ, V., "The Growth and Properties of Al and AlN Films on GaN(0001)-(1 x 1)", <u>Journal of Applied Physics</u> , 79(1), (January 1996), 110-119	
		BOERINGER, DANIEL W., et al., "Avalanche amplification of multiple resonant tunneling through parallel silicon microcrystallites", <u>Physical Rev. B</u> , 51, (1995), 13337-13343	
		BURNS, S. G., et al., In: <u>Principles of Electronic Circuits</u> , West Publishing Company, St. Paul, MN, (1987), 382-383	
		CAPASSO, F., et al., "New Floating-Gate AlGaAs/GaAs Memory Devices with Graded-Gap Electron Injector and Long Retention Times", <u>IEEE Electron Device Letters</u> , (1988), pp. 377-379	
		CASEY, H., et al., "Low Interface Trap Density for Remote Plasma Deposited SiO2 on n-type GaN", <u>Applied Phys. Lett.</u> , 68, (March 1996), 1850-1852	
		CHANG, C., "Novel Passivation Dielectrics-The Boron- or Phosphorus-Doped Hydrogenated Amorphous Silicon Carbide Films", <u>Journal of the Electrochemical Society</u> , 132, (Feb. 1985), 418-422	
		CHOI, J., et al., "Effect of Deposition Conditions and Pretreatments on the Microstructure of MPECVD Diamond Thin Films", <u>Materials Chemistry and Physics</u> , 45, (1996), 176-179	
JH		CLARKE, G., et al., "The Infrared Properties of Magnetron-Sputtered Diamond-Like Thin Films", <u>Thin Solid Films</u> , 280, (1996), 130-135	

EXAMINER

JH Eckert

DATE CONSIDERED 1/31/05

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	Unknown 10 789203
	Filing Date	Even Date Herewith
	First Named Inventor	Forbes, Leonard
	Group Art Unit	Unknown 2B15
	Examiner Name	Unknown ECKERT
Sheet 6 of 11		Attorney Docket No: 303.356US4

He		COMPAGNINI, G. , et al., "Spectroscopic Characterization of Annealed Si(1-x)C(x) Films", J. Materials Res., 11, (Sept. 1996),2269-2273	
1		DARTNELL, N. , et al., "Reactive Ion Etching of Silicon Carbide (Si(x)C(1-x))", Vacuum, 46, (1995),349-355	
		DEMICHELIS, F. , "Influence of Doping on the Structural and Optoelectronic Properties of Amorphous and Microcrystalline Silicon Carbide", Journal of Applied Physics, 72, (Aug. 15, 1992),1327-1333	
		DEMICHELIS, F. , "Physical Properties of Undoped and Doped Microcrystalline SiC:H Deposited By PECVD", Materials Research Society Symposium Proceedings, 219, Anaheim, CA,(4/30 - 5/3, 1991),413-418	
		DIPERT, BRIAN , "Flash Memory Goes Mainstream", IEEE Spectrum, 30(10), (October 1993),48-52	
		EDELBERG, E. , et al., "Visible Luminescence from Nanocrystalline silicon films produced by plasma enhanced chemical vapor deposition", Appl. Phys. Lett., 68, (1996),1415-1417	
		FISSEL, A. , et al., "Epitaxial Growth of SiC Thin Films on Si-stabilized alpha-SiC (0001) at Low Temperatures by Solid-source Molecular Beam Epitaxy", Journal of Crystal Growth, 154, (1995),72-80	
		FRIEDRICHS, P. , et al., "Interface Properties of Metal-Oxide-Semiconductor Structures on N-Type 6H and 4H-SiC", J. Applied Physics, 79, (May 15, 1996),7814-7819	
		FUJII, T. , et al., "Bonding Structures in Highly Photoconductive a-SiC:H Films Deposited by Hybrid-Plasma Chemical Vapor Deposition", Journal of Non-Crystalline Solids, 198-200, (1996),577-581	
		GOETZBERGER, A. , et al., Applied Solid State Science: Advances in Materials and Device Research, R. Wolfe, ed., Academic Press, New York,(1969),Including pg. 233	
		GRAUL, J. , et al., "Growth Mechanism of Polycrystalline beta-SiC Layers on Silicon Substrate", Applied Phys. Lett., 21, (July 1972),67-69	
		HAMAKAWA, Y. , et al., "Optoelectronics and Photovoltaic Applications of Microcrystalline SiC", Materials Research Society Symposium Proceedings, 164, Boston, MA,(11/29-12/1, 1989),291-301	
		HE, Z. , et al., "Ion-beam-assisted Deposition of Si-carbide Films", Thin Solid Films, 260, (1995),32-37	
		HU, G. , et al., "Will Flash Memory Replace Hard Disk Drive?", 1994 IEEE International Electron Device Meeting, Panel Discussion, Session 24, Outline,(Dec. 1994),2 pages	
		HWANG, J. , et al., "High Mobility beta-SiC Epilayer Prepared by Low-pressure Rapid Thermal Chemical Vapor Deposition on a (100) Silicon Substrate", Thin Solid Films, 272, (1996),4-6	
		HYBERTSEN, MARK S., "Absorption and Emission of Light in Nanoscale Silicon Structures", Phys. Rev. Lett., 72, (1994),1514-1517	
He		JOU, S. , et al., "Electron Emission Characterization of Diamond Thin Films Grown from a Solid Carbon Source", Thin Solid Films, 280, (1996),256-261	

EXAMINER

[Signature]

DATE CONSIDERED

1/31/05

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number ~~Unknown~~ 10 189203

Filing Date Even Date Herewith

First Named Inventor Forbes, Leonard

Group Art Unit ~~Unknown~~ 2815Examiner Name ~~Unknown~~ ECKERT

Sheet 7 of 11

Attorney Docket No: 303.356US4

98	KATO, MASATAKA, et al., "Read-Disturb Degradation Mechanism due to Electron Trapping in the Tunnel Oxide for Low-voltage Flash Memories", <u>IEEE Electron Device Meeting</u> , (1994),45-48	
	KOTHANDARAMAN, M., et al., "Reactive Ion Etching of Trenches in 6H-SiC", <u>J. Electronic Materials</u> , 25, (1996),875-878	
	KUMBHAR, A., et al., "Growth of Clean Amorphous Silicon-Carbon Alloy Films by Hot-Filament Assisted Chemical Vapor Deposition Technique", <u>Applied Phys. Lett.</u> , 66, (April 1995),1741-1743	
	LAKSHMI, E., et al., "Interface-State Characteristics of GaN/GaAs MIS Capacitors", <u>Solid-State Electronics</u> , 25, (1982),811-815	
	LAU, S., et al., "Optoelectronic Properties of Highly Conductive Microcrystalline SiC Produced by Laser Crystallization of Amorphous SiC", <u>J. of Non-Crystalline Solids</u> , 198-200, (1996),907-910	
	LEGGIERI, G., et al., "Laser Ablation Deposition of Silicon Carbide Films", <u>Applied Surface Science</u> , 96-98, (1996),866-869	
	LEI, T., "Epitaxial Growth and Characterization of Zinc-Blende Gallium Nitride on (001) Silicon", <u>Journal of Applied Physics</u> , 71(10), (May 1992),4933-4943	
	LIN, B., et al., "Dramatic Reduction of Sidegating in MODFET's", <u>IEEE Transactions on Electron Devices</u> , 35, Abstract No. VA-6,(1988),pg. 2451	
	LIU, J., et al., "Formation of SiC Films on Silicon Field Emitters", <u>Materials Res. Soc. Symp. Proc.</u> , 311, San Francisco, CA,(April 13-15, 1993),	
	LIU, J., et al., "Modification of Si Field Emitter Surfaces by Chemical Conversion to SiC", <u>J. Vac. Sci. Technology</u> , B 12, (1994),717-721	
	LOTT, J., et al., "Anisotropic thermionic emission of electrons contained in GaAs/AlAs floating gate device structures", <u>Appl. Phys. Lett.</u> , 55(12), (1989),pp. 1226-1228	
	LOTT, J. A., et al., "Charge Storage in InAlAs/InGaAs/InP Floating Gate Heterostructures", <u>Electronics Letters</u> , 26, (July 5, 1990),972-973	
	LUO, J., et al., "Localized Epitaxial Growth of Hexagonal and Cubic SiC Films on Si by Vacuum Annealing", <u>Applied Phys. Lett.</u> , 69, (Aug. 1996),916-918	
	MARTINS, R., "Transport Properties of Doped Silicon Oxycarbide Microcrystalline Films Produced by Spatial Separation Techniques", <u>Solar Energy Materials and Solar Cells</u> , 41-42, (1996),493-517	
	MARTINS, R., "Wide Band Gap Microcrystalline Silicon Thin Films", <u>Diffusion and Defect Data : Solid State Phenomena</u> , 44-46, Part 1, Scitec Publications,(1995),299-346	
	MAURY, F., et al., "Chemical Vapor Co-Deposition of C and SiC at Moderate Temperature for the Synthesis of Compositionally Modulated Si(x)C(1-x) Ceramic Layers", <u>Surface and Coatings Technology</u> , 76-77, (1995),119-125	
	MCLANE, G., et al., "High Etch Rates of SiC in Magnetron Enhanced SF(6) Plasmas", <u>Applied Phys. Lett.</u> , 68, (June 1996),3755-3757	
98	MOGAB, C., et al., "Conversion of Si to Epitaxial SiC by Reaction with C(2)H(2)", <u>J. Applied Physics</u> , 45, (March 1974),1075-1084	

EXAMINER

JSC ECKERT

DATE CONSIDERED

11/31/05

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known	
Application Number	Unknown 10/789203
Filing Date	Even Date Herewith
First Named Inventor	Forbes, Leonard
Group Art Unit	Unknown 2815
Examiner Name	Unknown ECKERT

Sheet 8 of 11

Attorney Docket No: 303.356US4

9/16	MOHAMMAD, S. N., et al., "Emerging Gallium Nitride Based Devices", <u>Proceedings of the IEEE</u> , 83, (Oct. 1995),1306-1355	
	MOLNAR, R., "Growth of Gallium Nitride by Electron-Cyclotron Resonance Plasma-Assisted Molecular-Beam Epitaxy: The Role of Charged Species", <u>Journal of Applied Physics</u> , 76(8), (October 1994),4587-4595	
	MULLER, K., et al., "Trench Storage Node Technology for Gigabit DRAM Generations", <u>Digest IEEE International Electron Devices Meeting</u> , San Francisco, CA, (Dec. 1996),507-510	
	NAKAMURA, J., et al., "CMOS Active Pixel Image Sensor with Simple Floating Gate Pixels", <u>IEEE Transactions on Electron Devices</u> , 42, (1995),1693-1694	
	NEMANICH, P., et al., "Diamond Negative Electron Affinity Surfaces, Structures and Devices", <u>Proc. : Third International Conference on Applications of Diamond Films and Related Materials</u> , 1, Gaithersburg, MD, (1995),17-24	
	NEMANICH, R., et al., "Negative Electron Affinity Surfaces of Aluminum Nitride and Diamond", <u>Diamond and Related Materials</u> , 5, (1996),790-796	
	NEUDECK, P., et al., "Electrical Characterization of a JFET-Accessed GaAs Dynamic RAM Cell", <u>IEEE Electron Device Letters</u> , 10(11), (1989),pp. 477-480	
	NG, K., In: <u>Complete Guide To Semiconductor Devices</u> , McGraw-Hill, Inc. New York, (1995),pp. 322-328, 605-608	
	OUYANG, M., et al., "Deposition of Diamond-Like Carbon Films via Excimer Laser Ablation of Polybutadiene", <u>Materials Science and Engineering</u> , B39, (1996),228-231	
	PANKOVE, J., "Photoelectric Emission", In: <u>Optical Processes in Semiconductors</u> , Dover Publications Inc., New York, (1971),287-301	
	PANKOVE, J., "Photoemission from GaN", <u>Applied Physics Letters</u> , 25, (1974),53-55	
	PAPADAS, C., "Modeling of the Intrinsic Retention Characteristics of FLOTOX EEPROM Cells Under Elevated Temperature Conditions", <u>IEEE Transaction on Electron Devices</u> , 42, (April 1995),678-682	
	PATUWATHAVITHANE, C., et al., "Oxidation Studies for 6H-SiC", <u>Proc. 4th Int. Conf. on Amorphous and Crystalline Silicon Carbide IV</u> , Santa Clara, CA, (Oct. 9-11, 1991),163-169	
	PEREYRA, I., et al., "Wide Gap a-Si(1-x)C(x): H Thin Films Obtained Under Starving Plasma Deposition Conditions", <u>J. Non-Crystalline Solids</u> , 201, (1996),110-118	
	POLLACK, S., "Electron Transport Through Insulating Thin Films", <u>Appl. Solid-State Science</u> , 1, (1969),345-355	
	PRENDERGAST, JIM, "FLASH or DRAM: Memory Choice for the Future", <u>IEEE Electron Device Meeting</u> , Session 25, Phoenix, AZ, (1995),	
	QIAN, Q., et al., "Multi-Day Dynamic Storage of Holes at the AlAs/GaAs Interface", <u>IEEE Electron Device Letters</u> , EDL-7(11), (1986),pp. 607-609	
9/16	RAHMAN, M., et al., "Preparation and Electrical Properties of An Amorphous SiC/ Crystalline Si p(+)n Heterostructure", <u>Japanese J. Applied Physics</u> , 23, (May 1984),515-524	

EXAMINER

J. Eckert

DATE CONSIDERED 1/31/05

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional) : Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known	
Application Number	Unknown 10/789203
Filing Date	Even Date Herewith
First Named Inventor	Forbes, Leonard
Group Art Unit	Unknown 2815
Examiner Name	Unknown ECKER

Sheet 9 of 11

Attorney Docket No: 303.356US4

9/22	REN LUND, G , et al., "Silicon Oxycarbide Glasses: Part I. Preparation and Chemistry", <u>Journal of Materials Research</u> , 6, (December 1991),2716-2722	
	REN LUND, G. , "Silicon Oxycarbide Glasses: Part II. Structure and Properties", <u>Journal of Materials Research</u> , 6, (December 1991),2723-2734	
	RUSKA, W. S., "Microelectronic Processing", <u>McGraw-Hill Book Co.</u> , (1987),281	
	SAKATA, I. , et al., "Amorphous Silicon/Amorphous Silicon Carbide Heterojunctions Applied to Memory Device Structures", <u>Electronics Letters</u> , 30(9), (1994),688-689	
	SCHMIDT, I. , et al., "Low Temperature Diamond Growth Using Fluorinated Hydrocarbons", <u>Diamond and Related Materials</u> , 5, (1996),1318-1322	
	SCHOENFELD, O. , et al., "Formation of Si Quantum dots in Nanocrystalline silicon", <u>Proc. 7th Int. Conf. on Modulated Semiconductor Structures</u> , Madrid, (1995),605-608	
	SERRE, C. , et al., "Ion-Beam Synthesis of Amorphous SiC Films: Structural Analysis and Recrystallization", <u>J. Appl. Phys.</u> , 79, (May 1996),6907-6913	
	SHARMA, B. , et al., "Heterojunction Devices", In: <u>Semiconductor Heterojunctions</u> , Pergamon Press, New York,(1974),pp. 133-137	
	SIM, S. , et al., "A New Planar Stacked Technology (PST) for Scaled and Embedded DRAMs", <u>Digest IEEE Int. Electron Devices Meeting</u> , San Francisco, CA,(Dec. 1996),504-507	
	STREETMAN, B. , In: <u>Solid State Electronic Devices</u> , 4th Edition, Prentice Hall, New Jersey,(1995),pp. 217-219, 392-394	
	SUZAKI, Y , et al., "Quantum Size Effects of a-Si(:H)/a-SiC(:H) Multilayer Films Prepared by rf Sputtering", <u>Abstracts of Papers Published in the Int. J. Japanese Soc. for Precision Engineering</u> , 28, Abstract of Paper in vol. 60,(June 1994),182	
	SVIRKOVA, N. , et al., "Deposition Conditions and Density-of-States Spectrum of a-Si(1-x)C(x) :H Films Obtained by Sputtering", <u>Semiconductors</u> , 28, (Dec. 1994),1164-1169	
	SZE, S. , <u>Physics of Semiconductors</u> , 2nd Edition., John Wiley & Sons, Pub., New York, ISBN 0471056618,(1981),	
	SZE, S. M., In: <u>Physics of Semiconductor Devices</u> , 2nd Edition, John Wiley & Sons, New York,(1981),pp.122-129,700-703, 708-710,763-765	
	SZE, S. M., In: <u>Physics of Semiconductor Devices</u> , Wiley-Interscience, New York,(1969),p. 496-497	
	TARUI, Y. , "Flash Memory Features Simple Structure, Superior Integration", <u>JEE</u> , 30, (Sept. 1993),84-87	
	TENHOVER, M. , et al., "DC-Magnetron Sputtered Silicon Carbide", <u>Materials Res. Soc. Symp. Proc.</u> , 356, Boston, MA,(11/28-12/02, 1994),227-232	
	THOMAS, J. , et al., "Plasma Etching and Surface Analysis of a-SiC :H Films Deposited by Low Temperature Plasma Enhanced Chemical Vapor Deposition", <u>Materials Res. Soc. Symp. Proc.</u> , 334, Boston, MA,(11/29-12/02, 1993),445-450	
9/22	TIWARI, S. , et al., "A silicon nanocrystal based memory", <u>Appl. Physics Lett.</u> , 68, (1996),1377-1379	

EXAMINER

[Signature]

DATE CONSIDERED

1/31/05

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	Unknown 10/789203
	Filing Date	Even Date Herewith
	First Named Inventor	Forbes, Leonard
	Group Art Unit	Unknown 2815
	Examiner Name	Unknown ECKERT
Sheet 10 of 11		Attorney Docket No: 303.356US4

DE		TIWARI, SANDIP , "Volatile and Non-Volatile Memories in Silicon with Nano-Crystal Storage", <u>Int'l Electron Devices Meeting: Technical Digest</u> , Washington, DC, (Dec. 1995), 521-524	
		TSU, RAPHAEL , et al., "Slow Conductance oscillations in nanoscale silicon clusters of quantum dots", <u>Appl. Phys. Lett.</u> , 65, (1994), 842-844	
		TSU, R. , et al., "Tunneling in Nanoscale Silicon Particles Embedded in an a-SiO2 Matrix", <u>Abstract, IEEE Device Research Conference</u> , (1996), pp. 178-179	
		TUCKER, C. , et al., "Ion-beam-assisted Deposition of Nonhydrogenated a-Si:C Films", <u>Can. J. Physics</u> , 74, (1996), 97-101	
		VAN DER WEIDE, J. , et al., "Negative-electron-affinity Effects on the Diamond (100) Surface", <u>Physical Review B [Condensed Matter]</u> , 50, (Aug. 15, 1994), 5803-5806	
		VODAKOV, Y. , et al., "Diffusion and Solubility of Impurities in Silicon Carbide", <u>In: Silicon Carbide</u> , R.C. Marshall, et al., eds., Univ. of South Carolina Press, (1973), 508-519	
		WAHAB, Q. , et al., "3C-SiC / Si / 3C-SiC Epitaxial Trilayer Films Deposited on Si (111) Substrates by Reactive Magnetron Sputtering", <u>J. Materials Res.</u> , 10, (June 1995), 1349-1351	
		WATANABE, A. , et al., "SiC Thin Film Preparation by ArF Excimer Laser Chemical Vapor Deposition. Part 1: Rate of Photolysis of Alkylsilanes by ArF Excimer Laser and their Decomposition Products", <u>Thin Solid Films</u> , 274, (1996), 70-75	
		WOLF, S. , <u>Silicon Processing for the VLSI Era</u> , Vol. 3, Lattice Press, Sunset Beach, CA, (1995), 311-312	
		WOLF, S. , "Semiconductor Memory Process Integration", <u>Silicon Processing for The VLSI Era</u> , Volume 2: Process Integration, (1990), pp. 623-628	
		WOLTER, S. , et al., "Textured Growth of Diamond on Silicon via in situ Carburization and Bias-Enhanced Nucleation", <u>Appl. Phys. Lett.</u> , 62, (March 1993), 1215-1217	
		WU, K. , et al., "The Growth and Characterization of Silicon/Silicon Carbide Heteroepitaxial Films on Silicon Substrates by Rapid Thermal Chemical Vapor Deposition", <u>Japanese J. Appl. Phys.</u> , 35, (1996), 3836-3840	
		YAMAGUCHI, Y. , et al., "Properties of Heteroepitaxial 3C-SiC Films Grown by LPCVD", <u>Digest of Tech. Papers: 8th Int. Conf. on Solid-State Sensors and Actuators and Eurosensors IX</u> , vol. 2, Stockholm, Sweden, (June 1995), 190-193	
		YAMANASHI, H. , et al., "Deposition of Silicon Compound Thin Films in DC Discharge Plasma Using Hydrogen-Hexamethyldisilane Gas Mixture", <u>Proc.: Int. Symp. on Surfaces and Thin Films of Electronic Materials. Bull. of the Res. Institute of Electronics, Shizuoka University</u> , 30, (1995), 95-98	
		YE, QIU-YI , et al., "Resonant Tunneling via Microcrystalline-silicon quantum confinement", <u>Physical Rev. B</u> , 44, (1991), 1806-1811	
JK		YEE, A. , et al., "The Effect of Nitrogen on Pulsed Laser Deposition of Amorphous Silicon Carbide Films: Properties and Structure", <u>J. Materials Research</u> , 11, (1996), 1979-1986	

EXAMINER

ME Schurt

DATE CONSIDERED

1/31/05

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	Unknown 10/789263
	Filing Date	Even Date Herewith
	First Named Inventor	Forbes, Leonard
	Group Art Unit	Unknown 2815
	Examiner Name	Unknown ECKERT
Sheet 11 of 11	Attorney Docket No: 303.356US4	

JK		YODER, M , "Wide Bandgap Semiconductor Materials and Devices", <u>IEEE Transactions on Electron Devices</u> , 43, (October 1996), 1633-1636	
JK		ZHAO, X. , et al., "Nanocrystalline Si: a material constructed by Si quantum dots", 1st Int. Conf. on Low Dimensional Structures and Devices, Singapore, (1995), 467-471	
JK		ZIRINSKY, S. , et al., "Electrical Resistivity of Amorphous Silicon Resistor Films", <u>Extended Abstracts of the Spring Meeting of the Electrochemical Society</u> , Washington, DC, (1971), pp. 147-149	

EXAMINER

JK Eckert

DATE CONSIDERED 1/31/05

Substitute Disclosure Statement Form (PTO-1445)

* EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)



Complete if Known

Application Number 10/789,203
 Filing Date February 27, 2004
 First Named Inventor Forbes, Leonard
 Group Art Unit 2811 2815
 Examiner Name Eckert, George

Sheet 1 of 1

Attorney Docket No: 303.356US4

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
92E	US-5,546,351	08/13/1996	Tanaka, T. , et al.	10/20/1994
944	US-5,614,748	03/25/1997	Nakajima, H. , et al.	07/10/1996
92E	US-5,698,879	12/16/1997	Aritome, Seiichi , et al.	08/18/1995
944	US-5,738,731	04/14/1998	Shindo, M. , et al.	08/31/1994
944	US-6,177,706	01/23/2001	Shindo, Masahiro , et al.	08/27/1997
92E	US-6,249,020	06/19/2001	Forbes, Leonard , et al.	08/27/1998

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
--------------------	---------------------	------------------	---	----------------

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published.	T ²
--------------------	----------------------	---	----------------

EXAMINER

92E Eckert

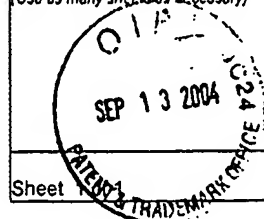
DATE CONSIDERED

1/31/05

Substitute for form 1448A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/789,203
Filing Date	February 27, 2004
First Named Inventor	Forbes, Leonard
Group Art Unit	2811 2015
Examiner Name	Eckert, George

Sheet

Attorney Docket No: 303.356US4

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
JK	US-5,366,713	11/22/1994	Sichanugrist, P., et al.	423	346	05/28/1993
JK	US-5,910,665	06/08/1999	Plumton, Donald, et al.	257	284	12/17/1996
JK	US-5,990,531	11/23/1999	Taskar, N. R., et al.	257	410	11/12/1997
JK	US-6,049,091	04/11/2000	Yokoyama, T.	257	52	06/30/1997
JK	US-6,166,768	12/26/2000	Fossum, , et al.	348	308	01/22/1997

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
---------------------	---------------------	------------------	---	-------	----------	----------------

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JK		LANOIS, F., et al., "Angle Etch Control for Silicon Carbide Power Devices", <u>Applied Phys. Lett.</u> , 69, (July 1996), 236-238	
JK		MADELUNG, O., "Semiconductors-Basic Data", <u>Springer-Verlag</u> , Second Revised Edition, ISBN: 3-540-53150-5, (1996), 49-53	

EXAMINER

JK Eckert

DATE CONSIDERED 1/31/05

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached